



STATE DEPARTMENT OF EDUCATION

P.O. BOX 83720
BOISE, IDAHO 83720-0027

TOM LUNA
STATE SUPERINTENDENT
PUBLIC INSTRUCTION

August 27, 2008

MARK YOUR CALENDAR! REGISTER TODAY!

To: Idaho Math and Science Teachers
Please reproduce and share with Colleagues and Friends!

From: Scott Smith, State Department of Education
Bill Cairns, Skyline High School

Re: Idaho Energy Workshop for Teachers . **October 2-3, 2008!**

The State Department of Education, Idaho National Laboratory and The National Energy Education Development (NEED) Project are pleased to announce the upcoming Idaho Energy Workshop for Teachers. Classroom teachers across the state of Idaho (grades K-12) will have a unique opportunity to learn information and hands-on activities to teach students about wind energy, wind generated electricity, solar energy and photovoltaics. The workshop will be held **October 2, 2008** from 7:30 am to 5:30 pm at Bonneville High School continuing **October 3, 2008** at 8:00 am at Skyline High School.

Thanks to the generous contribution from the Idaho National Laboratory the workshop is **free to teachers on a first come, first served basis**. Breakfast, lunch, classroom materials and kits are provided.

The NEED Project's mission is to promote an energy conscious and educated society. NEED is the nation's leading provider of energy education programs and materials to schools. All NEED learning activities are aligned to Idaho math and science standards. The program will make teaching energy exciting and fun for your classroom. **Each teacher will select an appropriate level NEED hands-on science kit** to use in the classroom. Our goal is to introduce students and teachers to energy through hands-on science activities. NEED works to create high quality materials and training to make learning about energy fun.

Register by September 25, 2008! Space is limited, so please fax the attached registration as soon as possible. Confirmation will be sent after your registration is received. If you have questions or need further information about the Idaho Energy Workshop contact Rebecca Lamb at rlamb@need.org or 800-875-5029. To obtain information on the NEED Project visit our website at <http://www.need.org>.

This workshop is presented in partnership with the Idaho National Laboratory, Idaho State Department of Education and NEED Project:



Office Location
650 West State Street

Telephone
208-332-6800

Speech/Hearing Impaired
1-800-377-3529

Fax
208-334-2228



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2008 Idaho Energy Workshop for Educators
Bonneville High School, 3165 E. Iona Road, Idaho Falls, Idaho 83401
Skyline High School, 1767 Blue Sky Drive, Idaho Falls, Idaho 83402

Day One – Bonneville High School

- 7:30 a.m. Registration and breakfast**
Pick up materials, name badges, final agenda, pre-conference knowledge assessment.
- 8:00 a.m. Welcome and NEED 101**
- 8:30 a.m. Introduction to the Science of Energy**
- 9:00 a.m. Keynote Speaker – Romney Duffey**
- 10:00 a.m. Science of Energy (continued)**
- 11:00 a.m. Sources of Energy**
How do the forms of energy and energy sources connect? These lessons help students understand renewable and nonrenewable sources of energy and their impact on energy, the economy, and the environment.
- 11:30 a.m. Lunch**
- 12:30 p.m. Sources of Energy (continued)**
- 1:30 p.m. Introduction to Solar Energy**
- 2:00 p.m. Alternative Energy Technologies Field Trip**
- Wind Farm on Taylor Mountain
 - Idaho Falls Power Hydroelectric Plant
- 5:30 p.m. Adjourn**

Day Two – Skyline High School

- 8:00 a.m. Breakfast**
- 8:30 a.m. Hands-on Solar**
- 10:45 a.m. Using a PV Installation in the Classroom**
- 11:15 a.m. Introduction to Wind**
- 12:00 p.m. Lunch**
- 12:45 p.m. Hands-on Wind**
- 3:00 p.m. Using a Wind Installation in the Classroom**
- 3:30 p.m. Wrap-up Activities, Evaluation, and Materials**
- 4:00 p.m. Adjourn**



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**Idaho Energy Workshop
October 2- 3, 2008**

Register by September 25 by faxing 800-847-1820

REGISTRATION INFORMATION

Workshop registration confirmation and driving directions will be sent upon receipt of registration form.

Please Print or Type

| | | |
|------------------|-------------------|------------------------------------|
| Last Name | First Name | School Phone with Area Code |
|------------------|-------------------|------------------------------------|

| | | |
|----------------------------|--------------|--------------------------|
| School/Organization | Grade | School Fax Number |
|----------------------------|--------------|--------------------------|

| | | | |
|-----------------------|-------------|--------------|------------|
| School address | City | State | Zip |
|-----------------------|-------------|--------------|------------|

| | | | |
|---------------------------|--------------|---------------|-----------------|
| Home phone number* | Email | County | District |
|---------------------------|--------------|---------------|-----------------|

***Requested to notify you of last minute changes.**

Do you have any special dietary needs?

Fax registration form by September 25, 2008 to:

1-800-847-1820

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